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| **Module Name** | **Properties of Geometric Figures in the Coordinate Plane** |
| Learning Objectives | MM1G1**.**  a. Determine the distance between two points.  b. Determine the distance between a point and a line.  c. Determine the midpoint of a segment.  d. Understand the distance formula as an application of the Pythagorean theorem.  e. Use the coordinate plane to investigate properties of and verify conjecture  related to triangles and quadrilaterals. |
| Activities | * Students will listen to a guided notes PPT with an interactive “hook.” * Students will complete the “New York Learning Task” from the GPS frameworks (collaborative pairs). * Students will complete the “Quadrilaterals Revisited Learning Task” from the GPS frameworks (independent, webquest).” |
| Resources | * YouTube tutorials * Learning tasks * External links |
| Assessments | * Students will complete an online quiz. * Students will complete an Essential Question journal. * Students will complete two performance tasks. |
| Module Design | * Links to the following will be included:   + EQ journal   + YouTube tutorials   + Assessments   + Discussion boards   + Online notes/PPT |
| Interactivity and Collaboration | * Discussion board * Email * Google Docs (for learning task) * Camtasia |
| Use of Technology | * Websites * PPT * Camtasia (with microphone) |
| Learner Support | * Instructor contact (phone, email, discussion board) * Links to outside resources * Technology help desk contact |